

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (original) A base station apparatus for delivering multimedia information to a plurality of mobile stations through a radio channel connected therebetween in a CDMA (Code Division Multiple Access) system, comprising:

a receive interface for receiving a frame having layered information components composing said multimedia information and a transmission priority of each of said layered information components;

an allocating device for allocating the frame with a higher priority to a channel with better quality of communication, based on said transmission priority;

a diffuser provided for each channel and for diffusing the frame allocated by said allocating device; and

a transmitter for transmitting the frame diffused by said diffuser.

2. (original) A base station apparatus as claimed in claim 1, further comprising:

a diffusion code setter for setting a diffusion code for separating said channels to said diffuser; and

a notifying device for notifying said plurality of mobile stations of the diffusion code for separating said channels set by said diffusion code setter and the relation

information for indicating the correspondence between said diffusion code and said channel.

3. (original) A base station apparatus as claimed in claim 1, further comprising:

a transmission power adjuster for adjusting the transmission power of the channel to which said frame is allocated on the basis of said transmission priority contained in said frame.

4. (original) A base station apparatus as claimed in claim 1, further comprising:

a diffusion coefficient adjuster for adjusting a diffusion coefficient of said frame on the basis of said transmission priority contained in said frame.

5. (currently amended) A base station apparatus as claimed in claim 4, wherein said diffusion coefficient adjuster adjusts a diffusion coefficient by adjusting a data rate, a coding coefficient or a transmission time.

6. (original) A base station apparatus as claimed in claim 2, wherein said notifying device operates to notify said plurality of mobile stations of said diffusion code and said relation information through a paging channel intended for noticing said diffusion code for separating the channels.

7. (original) A base station apparatus as claimed in claim 2, further comprising:

a traffic channel establishing device for establishing a traffic channel to a specific one of said mobile stations, said traffic channel being intended for noticing said diffusion code for separating the channels, and wherein

said notifying device operates to notify said plurality of mobile stations of said diffusion code and said relation information through said traffic channel established by said traffic channel establishing device.

Claims 8-12 (canceled).

13. (original) A mobile station for receiving multimedia information from a base station apparatus through a radio channel connected in a CDMA (Code Division Multiply Access) system, comprising:

a receive interface for receiving a plurality of frames allocated to the channels respectively, said frames containing layered information components composing said multimedia information;

a reverse diffuser provided in each channel and for picking up the frame allocated to said channel by reversely diffusing a plurality of frames received by said receive interface with a diffusion code for separating the channels notified by said base station apparatus;

a determining unit provided in each channel and for determining whether or not the frame picked by said reverse diffuser meets the predetermined communication quality;

a recomposing unit for recomposing said multimedia information from the frame determined to meet the communication quality by said determining unit; and

an information output unit for outputting said multimedia information rearranged by said rearranging unit to an output unit.

14. (original) A mobile station as claimed in claim 13, wherein the information outputted by said output unit can be recognized visually and acoustically.

15. (original) A mobile station as claimed in claim 13, further comprising:

a guide output unit for outputting guide information of each of said information components contained in the frame determined to meet the predetermined communication quality level by said determining unit.

16. (original) A mobile station as claimed in claim 15, wherein said guide information contains tariff information about the using fees of said information components.

17. (currently amended) A mobile station as claimed in claim 15 or 16, wherein said-a control unit operates to recompose multimedia information from the

frame containing said information components to be intended to be used by the user of said mobile station, based on said guide information outputted by said guide output unit.

18. (currently amended) A mobile station as claimed in claim 13, further comprising:

a first measuring unit for measuring an S/N ratio of said frame on the basis of said transmission priority contained in said-a frame header defined by said base station apparatus;

a second measuring unit provided in each channel and for measuring a frame error rate of an electric signal diffused by said-a decoder; and wherein
wherein said determining unit operates to determine whether or not the frame error rate or the S/N ratio meets the predetermined communication quality level.

Claims 19-22 (canceled).